

Patent Claims

1. Catalytically active human telomerase subunit, its functional equivalents, its variants and its catalytically active fragments.

2. Telomerase according to Claim 1, comprising the amino acid sequence depicted in Fig. 1b or its functional equivalents.

3. Nucleic acid sequences encoding ^{telomerase} compounds according to ^{claim} ~~Claims 1 and 2~~ and their functional equivalents.

4. Nucleic acid sequences according to Claim 3, comprising the DNA sequence depicted in Fig. 1a or its functional equivalents.

5. Antisense nucleic acids binding to the nucleic acid sequence according to Claim 3 ^{or} ~~4~~.

6. Antibodies against telomerase according to ^{claim 1} ~~Claims 1 and 2~~, where appropriate labelled with one or more labels.

7. ^{Method of using} ~~Use of~~ nucleic acid sequences according to ^{claim 3} ~~Claims 3 and 4~~ for preparing telomerase.

8. ^{Method of using} ~~Use of~~ antibodies according to Claim 6 for diagnosis.

9. ^{Method of using} ~~Use of~~ antibodies according to Claim 6 for preparing medicaments.

10. Vector comprising a nucleic acid sequence, in particular DNA, according to ^{claim 3} ~~Claims 3 and 4~~.

11. Microorganisms harbouring the vector according to Claim 10.

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[illegible]